

DTC P0773 Shift Solenoid E Electrical Malfunction (Shift Solenoid Valve SL)

CIRCUIT DESCRIPTION

The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

Fail Safe Function

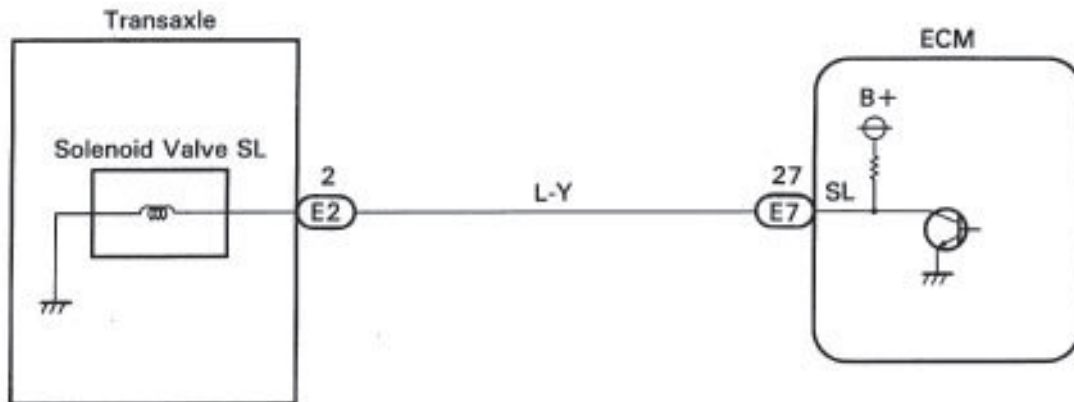
If the ECM detects a malfunction, it turns the shift solenoid valve SL OFF.

DTC No.	Diagnostic Trouble Code Detecting Condition	Trouble Area
P0773	Open or short in shift solenoid SL circuit for 1 time. (2 trip detection logic)	<ul style="list-style-type: none">• Open or short in shift solenoid valve SL circuit.• Shift solenoid valve SL.• ECM

DIAGNOSTIC CHART

1	Measure resistance between terminals SL and E, of ECM connector.	OK	Replace ECM.
NG			
2	Check harness and connector between ECM and automatic transaxle.	NG	Repair or replace harness or connector between ECM and automatic transaxle solenoid connector.
OK			
3	Check SL solenoid valve.	NG	Replace SL solenoid valve.
OK			
Check and replace or repair the solenoid wire.			

WIRING DIAGRAM

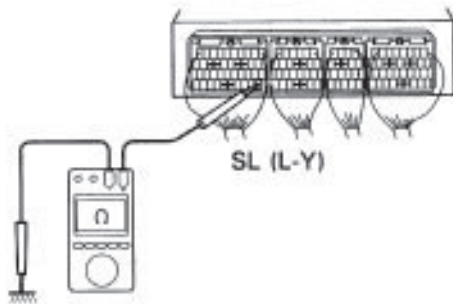


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INSPECTION PROCEDURE

1

Measure resistance between terminals SL of ECM connector and body ground.



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NG

P

Disconnect connector from the ECM.

C

Measure resistance between terminals SL and E, of the ECM.

OK

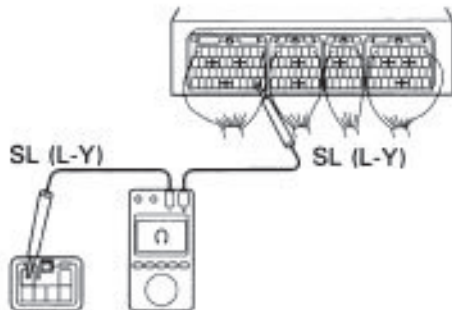
Resistance: 8-100,000Ω

OK

Replace ECM.

2

Check harness and connector between ECM and automatic transaxle.



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OK

P

1. Disconnect the connector from the ECM.
2. Disconnect the solenoid connector from the transaxle.

C

Check harness between terminal SL of the ECM connector and terminal 3 of automatic transaxle solenoid connector.

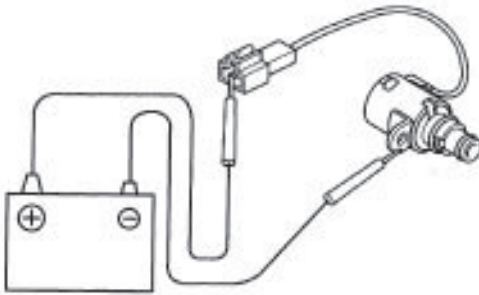
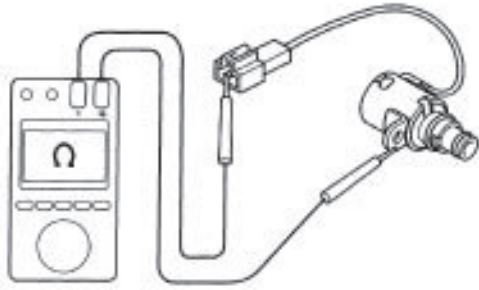
OK

There is no open or short circuit.

NG

Repair or replace harness or connector between ECM connector and automatic transaxle solenoid connector.

3 Check SL solenoid valve.



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OK

- P** 1. Jack-up the vehicle.
- 2. Remove oil pan.
- 3. Disconnect SL solenoid valve connector.
- 4. Remove SL solenoid valve.

C Measure resistance between SL solenoid connector terminal and its body ground.

OK **Resistance: 10–16 Ω**

C Check SL solenoid valve operation noise when applying battery voltage to the solenoid connector terminal and its body.

OK **The SL solenoid valve makes operation noise.**

NG

Replace SL solenoid valve.

Check and replace or repair the solenoid wire.